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Application No. 10/730,223

Docket No.: S9025.0331

AMENDMENTS TO THE CLAIMS

1. (Original) A polymeric colored dispersant comprising the structure $A-(B-X)_n$, wherein: A is an organic chromophore; B is a covalently bonded linking moiety; X is a branched or linear $C_{50}-C_{200}$ polymeric covalently linked hydrocarbon; and n is an integer from 1 to 4.

2. (Currently amended) The dispersant of claim 1, wherein A is selected from the group consisting of organic pigments, dyes and carbon black.

3. (Currently amended) The dispersant of claim 1, wherein B is a moiety selected from the group consisting of comprising O, N, [[and]] or S.

4. (Currently amended) The dispersant of claim 1, wherein the hydrocarbon is a branched or linear C_{100} to C_{150} hydrocarbon.

5. (Currently amended) The dispersant of claim 1, wherein n is selected from 1 and 2.

6. (Currently amended) A ~~highly dispersed~~ colorant dispersion comprising a polymeric colored dispersant having the structure $A-(B-X)_n$, wherein: A is an organic chromophore; B is a covalently bonded linking moiety; X is a branched or linear $C_{50}-C_{200}$ polymeric covalently linked hydrocarbon; and n is an integer from 1 to 4.

7. (Currently Amended) The dispersion of claim 6, wherein A is selected [[form]] from the group consisting of organic pigments, dyes and carbon black.

8. (Currently amended) The dispersion of claim 6, wherein B is a moiety selected from the group consisting of comprising O, N, [[and]] or S.

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9. (Currently amended) The dispersion of claim 6₁ wherein X is a branched or linear C₁₀₀ to C₁₅₀ polymeric covalently linked hydrocarbon.

10. (Currently amended) The dispersion of claim 6₁ wherein n is selected from the group consisting of 1 and 2.

11 - 15. (Cancelled).

16. (Currently amended) A colorant dispersion comprising: (a) at least about 45 wt.% of a pigment colorant, based on the total weight of the dispersion, and (b) a polymeric colored dispersant having the structure A-(B-X)_n, wherein: A is an organic chromophore; B is a covalently bonded linking moiety; X is a branched or linear C₅₀-C₂₀₀ polymeric covalently linked hydrocarbon; and n is an integer from 1 to 4.

17. (Currently amended) The dispersion of claim 16 ~~further comprising~~ having a viscosity of less than about 150 Pa.s.

18. (Currently amended) The dispersion of claim 16 having about 65 wt.% of said colorant, based on the total weight of the dispersion.

19. (Currently amended) The dispersion of claim 16₁ wherein the colorant is selected from the group consisting of organic pigments, dyes and carbon black.

20. (Currently amended) The dispersion of claim 19₁ wherein the colorant is an organic pigment.

21. (Currently amended) The dispersion of claim 20₁ wherein the organic pigment is selected from the group consisting of mono and diazo pigments, ~~phthalocyanine pigments,~~ quinacridone pigments, rhodamine dyes and pigments, perylene pigments, diketoprryoles pigments, carbon black, anthraquinone dyes and

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pigments, indanthrene dyes, lake pigments, dioxazine pigments, isoindolinone pigments, and dioxazine pigments.

22. (Currently amended) The dispersion of claim 24 20, wherein the organic pigment is selected from the group consisting of Pigment Yellow 12, Pigment Yellow 13, Pigment Yellow 14, Pigment Yellow 74, Pigment Yellow 150, Pigment Orange 5, Pigment Orange 13, Pigment Orange 16, Pigment Orange 64, Pigment Red 2, Pigment Red 81:2, Pigment Red 122, Pigment Red 144, Pigment Red 166, Pigment Red 179, Pigment Red 184, Pigment Red 202, Pigment Red 254, Pigment Red 264, Pigment Violet 1, Pigment Violet 2, Pigment Violet 3, Pigment Violet 19, Pigment Violet 23, Pigment Blue 15:3, and Blue 15:4.

23. (Cancelled).

24. (Currently amended) The dispersion of claim 16, wherein the dispersant is present in about 1 wt.% to about 15 wt.% based on the weight of the colorant.

25. (Currently amended) The ~~pigment~~ dispersion of claim 24, wherein said dispersant is present in about 10 wt. % ~~of the pigment~~ based on the weight of the colorant.

26. (Currently amended) The dispersion of claim 16, wherein A is selected from the group consisting of organic pigments, dyes and carbon black.

27. (Currently amended) The dispersion of claim 16, wherein B is a moiety ~~selected from the group consisting of~~ comprising O, N, ~~[[and]]~~ or S.

28. (Currently amended) The dispersion of claim 16, wherein X is a branched or linear C₁₀₀ to C₁₅₀ polymeric covalently linked hydrocarbon.

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29. (Currently amended) The dispersion of claim 16, wherein n is selected from the group consisting of 1 and 2.

30. (Previously presented) A printing ink composition comprising a colorant dispersion composition containing a polymeric colored dispersant having the structure $A-(B-X)_n$, wherein: A is an organic chromophore; B is a covalently bonded linking moiety; X is a branched or linear $C_{50}-C_{200}$ polymeric covalently linked hydrocarbon; and n is an integer from 1 to 4.

31. (Currently amended) The ink composition of claim 2930, wherein the printing ink is a lithographic printing ink.

32. (Currently amended) The ink composition of claim 2930, wherein the printing ink is a gravure printing ink.

33. (Currently amended) The ink composition of claim 2930, wherein A is selected from the group consisting of organic pigments, dyes and carbon black.

34. (Currently amended) The ink composition of claim 2930, wherein B is a moiety selected from the group consisting of comprising O, N, [[and]] or S.

35. (Currently amended) The ink composition of claim 2930, wherein X is a branched or linear C_{100} to C_{150} polymeric covalently linked hydrocarbon.

36. (Currently amended) The ink composition of claim 2930, wherein n is selected from 1 and 2.